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Comparison of 1-year effects of left ventricular and biventricular pacing in patients with heart failure who have ventricular arrhythmias and left bundle-branch block: the Bi vs Left Ventricular Pacing: an International Pilot Evaluation on Heart Failure Patients with Ventricular Arrhythmias (BELIEVE) multicenter prospective randomized pilot study (Gasparini et al). 2006;152:155.e1-155.e7

Comparison of left ventricular and biventricular pacing in patients with heart failure (Arya) (Letter); (Gasparini) (Reply). 2006;152:e55, e57

Left bundle-branch block artifact on single photon emission computed tomography with technetium Tc 99m (Tc-99m) agents: mechanisms and a method to decrease false-positive interpretations (Higgins et al). 2006;152:619-26 (Curriculum cardiol.)

Multislice computed tomography to rule out coronary artery disease in pilots with acquired left bundle-branch block and low cardiac risk (Perrier et al) (Letter); (Schuiff and Bax) (Reply). 2006;152:e23, e29

C**C-reactive protein**

- C-reactive protein and risk of heart failure. The Rotterdam study (Kardys et al). 2006;152:514-20
- Gender and C-reactive protein: data from the Multiethnic Study of Atherosclerosis (MESA) cohort (Lakoski et al). 2006;152:593-8
- Metabolic syndrome, C-reactive protein, and prognosis in patients with established coronary artery disease (Aguilar et al). 2006;152:298-304
- Myeloperoxidase and C-reactive protein augment the specificity of B-type natriuretic peptide in community screening for systolic heart failure (Ng et al). 2006;152:94-101
- Prognostic value of C-reactive protein and cardiac troponin I in primary percutaneous interventions for ST-elevation myocardial infarction (Ohlmann et al). 2006;152:1160-6
- Response of high-sensitivity C-reactive protein to exercise training in an at-risk population (Huffman et al). 2006;152:793-800
- Uvulopalatopharyngoplasty decreases levels of C-reactive protein in patients with obstructive sleep apnea syndrome (Kinoshita et al). 2006;152:692.e1-692.e5

CABG; see Coronary artery bypass**Calcinosis**

- The impact of cardiovascular risk factors on subclinical left main coronary artery disease: an intravascular ultrasound study (Kim et al). 2006;152:693.e7-693.e12
- Is alcohol consumption associated with calcified atherosclerotic plaque in the coronary arteries and aorta? (Ellison et al). 2006;152:177-82

Candesartan

- A double-blind, randomized, placebo-controlled multicenter clinical trial to evaluate the effects of the angiotensin II receptor blocker candesartan cilexetil on intimal hyperplasia after coronary stent implantation (Radke et al). 2006;152:761.e1-761.e6
- Prevention of atrial fibrillation in patients with symptomatic chronic heart failure by candesartan in the Candesartan in Heart Failure: assessment of Reduction in Mortality and morbidity (CHARM) program (Ducharme et al). 2006;152:86-92

Captopril

- Effects of early angiotensin-converting enzyme inhibition in patients with non-ST-elevation acute anterior myocardial infarction (Borghi et al). 2006;152:470-7
- Geographic variation in the treatment of acute myocardial infarction in the VALsartan In Acute myocardial iNfarcTion (VALIANT) trial (Reed et al). 2006;152:500-8

Cardiac catheterization; see Heart catheterization**Cardiac hypertrophy; see Cardiomegaly****Cardiac output, low**

- The effect of altering heart rate on ventricular function in patients with heart failure treated with β -blockers (Thackray et al). 2006;152:713.e9-713.e13

Cardiac pacing, artificial

- Rationale and design of a randomized clinical trial to assess the role of overdrive and triggered prevention pacing therapies in reducing atrial fibrillation: the Study of Atrial Fibrillation Reduction (SAFARI) (Gold and Hoffmann). 2006;152:231-6 (Trial design)

Cardiac surgical procedures

- Contemporary performance of surgical ventricular restoration procedures: data from the Society of Thoracic Surgeons' National Cardiac Database (Hernandez et al). 2006;152:494-9
- Implementation of a continuous quality improvement program for percutaneous coronary intervention and cardiac surgery at a large community hospital (Brush et al). 2006;152:379-85

Cardiac surgical procedures (continued)

- Risk factors for deaths occurring within 30 days and 1 year after hospital discharge for cardiac surgery among pediatric patients (Chang et al). 2006;152:386-93
- Serial radionuclide angiographic assessment of left ventricular ejection fraction and regional wall motion after mitral valve replacement in patients with rheumatic disease (Chowdhury et al). 2006;152:1200-6

Cardiogenic shock; see Shock, cardiogenic**Cardiomegaly**

- Letter to the Editor (Faludi). 2006;152:e13 (Letter)
- Response to Letter to the Editor (Faludi) (Letter); (Alter) (Reply). 2006;152:e15

Cardiomyopathies

- Myocardial perfusion in apical ballooning syndrome correlate of myocardial injury (Elesber et al). 2006;152:469.e9-469.e13
- Stimulating autoantibodies directed against the cardiac β_1 -adrenergic receptor predict increased mortality in idiopathic cardiomyopathy (Störk et al). 2006;152:697-704

Cardiomyopathy, dilated

- Adjunctive therapy with low-molecular-weight heparin in patients with chronic heart failure secondary to dilated cardiomyopathy: one-year follow-up results of the randomized trial (Wojnicz et al). 2006;152:713.e1-713.e7
- Aortic stiffness correlates with an increased extracellular matrix turnover in patients with dilated cardiomyopathy (Bonapace et al). 2006;152:93.e1-93.e6
- Immunoadsorption in dilated cardiomyopathy: 6-month results from a randomized study (Staudt et al). 2006;152:712.e1-712.e6
- Improved outcomes in peripartum cardiomyopathy with contemporary (Amos et al). 2006;152:509-13

Cardiovascular diseases

- Effect of α_1 -adrenergic receptors in cardiac pathophysiology (Shannon and Chaudhry). 2006;152:842-50
- Examination of lower targets for low-density lipoprotein cholesterol and blood pressure in diabetes—the Stop Atherosclerosis in Native Diabetics Study (SANDS) (Russell et al). 2006;152:867-75 (Trial design)
- Gender and C-reactive protein: data from the Multiethnic Study of Atherosclerosis (MESA) cohort (Lakoski et al). 2006;152:593-8
- Heparin-induced thrombocytopenia and cardiovascular diseases (Das et al). 2006;152:19-26 (Curriculum cardiol.)
- The impact of cardiovascular risk factors on subclinical left main coronary artery disease: an intravascular ultrasound study (Kim et al). 2006;152:693.e7-693.e12
- Multifactorial intervention to prevent recurrent cardiovascular events in patients 75 years or older: the Drugs and Evidence-Based Medicine in the Elderly (DEBATE) study: a randomized, controlled trial (Strandberg et al). 2006;152:585-92
- The prognostic value of the mitral diastolic filling velocity ratio for all-cause mortality and cardiovascular morbidity in African Americans: the atherosclerotic Risks in Communities (ARIC) study (Fox et al). 2006;152:749-55
- Rationale and design of the Folic Acid for Vascular Outcome Reduction In Transplantation (FAVORIT) trial (Bostom et al). 2006;152:448.e1-448.e7 (Trial design)
- Response of high-sensitivity C-reactive protein to exercise training in an at-risk population (Huffman et al). 2006;152:793-800
- Response to letter to the editor by Dr. Mackin (Hennekens). 2006;152:e59 (Reply)
- What is the role of angiotensin-receptor blockade in cardiovascular protection? (Cohn). 2006;152:859.e1-859.e8 (Trial design)

Cardiovascular diseases, diagnosis

Measurement of the thickness of the fibrous cap by optical coherence tomography (Kume et al). 2006;152:755.e1-755.e4

Cardioversion; see Electric countershock

Carotid artery disease

Conjugated equine estrogens and peripheral arterial disease risk: the Women's Health Initiative (Hsia et al). 2006;152:170-6

Cynical hostility and carotid atherosclerosis in African American and white women: the Study of Women's Health Across the Nation (SWAN) Heart Study (Everson-Rose et al). 2006;152:982.e7-982.e13

Catheter ablation

Recurrence of pulmonary vein conduction and atrial fibrillation after pulmonary vein isolation for atrial fibrillation: a randomized trial of the ostial versus the extraostial ablation strategy (Nilsson et al). 2006;152:537.e1-537.e8

Cerebrovascular accident

Asymptomatic atrial fibrillation and Stroke Evaluation in pacemaker patients and the atrial fibrillation Reduction atrial pacing Trial (ASSERT) (Hohnloser et al). 2006;152:442-7 (Trial design)

Ischemic stroke after heart failure: a community-based study (Witt et al). 2006;152:102-9

Plasminogen activator inhibitor type 1 gene polymorphisms and haplotypes are associated with plasma plasminogen activator inhibitor type 1 levels but not with myocardial infarction or stroke (Ding et al). 2006;152:1108-14

Risks and benefits of combining aspirin with anticoagulant therapy in patients with atrial fibrillation: an exploratory analysis of stroke prevention using an oral thrombin inhibitor in atrial fibrillation (SPORTIF) trials (Flaker et al). 2006;152:967-73

WATCHMAN: an effective protection against stroke? (Stöhlberger et al) (Letter); (Fountain et al) (Reply). 2006;152:e35, e37

Chest pain; see Angina, unstable; Angina pectoris

Child

Design of a large cross-sectional study to facilitate future clinical trials in children with the Fontan palliation (Sleeper et al). 2006;152:427-33 (Trial design)

Racial differences are seen in blood pressure response to fosinopril in hypertensive children (Menon et al). 2006;152:394-9

Risk factors for deaths occurring within 30 days and 1 year after hospital discharge for cardiac surgery among pediatric patients (Chang et al). 2006;152:386-93

Chlamydia pneumoniae

Metabolic syndrome, C-reactive protein, and prognosis in patients with established coronary artery disease (Aguilar et al). 2006;152:298-304

Cholesterol

Evaluation of dyslipidemia in the emergency department: Impact of cholesterol testing on subsequent therapy (Blomkalns et al). 2006;152:1181-5

Quality of cholesterol screening and management with respect to the National Cholesterol Education's Third Adult Treatment Panel (ATPIII) guideline in primary care practices in North Carolina (Bertoni et al). 2006;152:785-92

Skin cholesterol adds to Framingham risk assessment (Sprecher and Pearce). 2006;152:694-6

Total cholesterol levels and mortality risk in nonischemic systolic heart failure (Afsarmanesh et al). 2006;152:1076-82

Chromogranins

Prognostic value of plasma chromogranin A levels in patients with complicated myocardial infarction (Estensen et al). 2006;152:927.e1-927.e6

Cilostazol

Reduced 6-month resource use and costs associated with cilostazol in patients after successful coronary stent implantation: results from the Cilostazol for RESTenosis (CREST) trial (Zhang et al). 2006;152:770-6

Clinical trials

Design of a large cross-sectional study to facilitate future clinical trials in children with the Fontan palliation (Sleeper et al). 2006;152:427-33 (Trial design)

Reflections on early stopping of a clinical trial (Armstrong and Granger). 2006;152:407-9 (Editorial)

Clopidogrel

Clopidogrel-statin interaction: a mountain or a mole hill? (Steinhubl and Akers). 2006;152:200-3 (Editorial)

Evaluation of prasugrel compared with clopidogrel in patients with acute coronary syndromes: design and rationale for the TRial to assess Improvement in Therapeutic Outcomes by optimizing platelet Inhibition with prasugrel Thrombolysis In Myocardial Infarction 38 (TRITON-TIMI 38) (Wiviott et al). 2006;152:627-35 (Trial design)

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Collagen type III

Aortic stiffness correlates with an increased extracellular matrix turnover in patients with dilated cardiomyopathy (Bonapace et al). 2006;152:93.e1-93.e6

Computed tomography; see Tomography, x-ray computed

Congenital heart disease; see Heart defects, congenital

Congestive heart failure; see Heart failure, congestive

Coronary angiography

Acute coronary syndromes in young patients with angiographically normal coronary arteries (Klein and Park). 2006;152:607-10 (Editorial)

A double-blind, randomized, placebo-controlled multicenter clinical trial to evaluate the effects of the angiotensin II receptor blocker candesartan cilexetil on intimal hyperplasia after coronary stent implantation (Radke et al). 2006;152:761.e1-761.e6

Predictors of long-term outcome after crush stenting of coronary bifurcation lesions: importance of the bifurcation angle (Dzavik et al). 2006;152:762-9

Coronary arteries

Anomalous right coronary artery arising from the pulmonary artery: a report of 7 cases and a review of the literature (Williams et al). 2006;152:1004.e9-1004.e17

Coronary arteriosclerosis

The impact of cardiovascular risk factors on subclinical left main coronary artery disease: an intravascular ultrasound study (Kim et al). 2006;152:693.e7-693.e12

Prevalence, predictors, and outcomes of patients with non-ST-segment elevation myocardial infarction and insignificant coronary artery disease: results from the Can Rapid risk stratification of Unstable angina patients Suppress Adverse outcomes with Early implementation of the ACC/AHA Guidelines (CRUSADE) initiative (Patel et al). 2006;152:641-7

Subclinical coronary atherosclerosis: racial profiling is necessary! (Orakzai et al). 2006;152:819-27 (Curriculum cardiol.)

Coronary artery bypass

Allogeneic blood transfusions explain increased mortality in women after coronary artery bypass graft surgery (Rogers et al). 2006;152:1027-33

Clinical correlates of long-term mortality after percutaneous interventions of saphenous vein grafts (Mehta et al). 2006;152:801-6

Coronary artery bypass (continued)

- Clinical outcome in patients with intermediate or equivocal left main coronary artery disease after deferral of surgical revascularization on the basis of fractional flow reserve measurements (Lindstaedt et al). 2006;152:156.e1-156.e9
- Controlling the independent variables in the clinical study of prayer: the devil is in the details (Burks). 2006;152:e41 (Letter)
- Effect of pexelizumab on mortality in patients with acute myocardial infarction or undergoing coronary artery bypass surgery: a systematic overview (Mahaffey et al). 2006;152:291-6
- The impact of age on outcomes after coronary artery bypass surgery versus stent-assisted percutaneous coronary intervention: one-year results from the Stent or Surgery (SoS) trial (Zhang et al). 2006;152:1152-9
- Letter to the editor (Carron et al). 2006;152:e63 (Letter)
- Letter to the editor by Dr. Adam H. Skolnick (Skolnick). 2006;152:e39
- Public versus private institutional performance reporting: what is mandatory for quality improvement? (Guru et al). 2006;152:573-8
- Risk of death or acute myocardial infarction 10 years after coronary artery bypass surgery in relation to type of diabetes (Alserius et al). 2006;152:599-605
- A "STEP" in the right direction (Lilly). 2006;152:e31 (Letter)
- A step towards more ethical prayer studies (Hobbins). 2006;152:e33 (Letter)
- Trends in postoperative length of stay after bypass surgery (Cowper et al). 2006;152:1193-9

Coronary circulation

- Association between Thrombolysis In Myocardial Infarction myocardial perfusion grade, biomarkers, and clinical outcomes among patients with moderate- to high-risk acute coronary syndromes: observations from the Randomized Trial to Evaluate the Relative *PROTECTION* against Post-PCI Microvascular Dysfunction and Post-PCI Ischemia among Antiplatelet and Antithrombotic agents-Thrombolysis In Myocardial Infarction 30 (PROTECT-TIMI 30) (Gibson et al). 2006;152:756-61
- Clinical outcome in patients with intermediate or equivocal left main coronary artery disease after deferral of surgical revascularization on the basis of fractional flow reserve measurements (Lindstaedt et al). 2006;152:156.e1-156.e9
- Intracoronary nitroprusside for the prevention of the no-reflow phenomenon after primary percutaneous coronary intervention in acute myocardial infarction. A randomized, double-blind, placebo-controlled clinical trial (Amit et al). 2006;152:887.e9-887.e14
- Left bundle-branch block artifact on single photon emission computed tomography with technetium Tc 99m (Tc-99m) agents: mechanisms and a method to decrease false-positive interpretations (Higgins et al). 2006;152:619-26 (Curriculum cardiol.)

Coronary disease

- Acute coronary syndromes in young patients with angiographically normal coronary arteries (Klein and Park). 2006;152:607-10 (Editorial)
- Anemia as independent predictor of major events in elderly patients with chronic angina (Muzzarelli and Pfisterer). 2006;152:991-6
- Discovery of proteins related to coronary artery disease using industrial-scale proteomics analysis of pooled plasma (Donahue et al). 2006;152:478-85
- Evaluation of dyslipidemia in the emergency department: Impact of cholesterol testing on subsequent therapy (Blomkalns et al). 2006;152:1181-5

Coronary disease (continued)

- Extent of coronary artery disease as a predictor of outcomes in acute myocardial infarction complicated by heart failure, left ventricular dysfunction, or both (Janardhanan et al). 2006;152:183-9
- Fasting blood glucose levels are related to exercise capacity in patients with coronary artery disease (Van de Veire et al). 2006;152:486-92
- Identification of excess clustering of coronary heart diseases among extended pedigrees in a genealogical population database (Horne et al). 2006;152:305-11
- Maximum oxygen uptake at peak exercise in elderly patients with coronary artery disease and preserved left ventricular function: the role of inflammation on top of tissue Doppler-derived systolic and diastolic function (Van de Veire et al). 2006;152:297.e1-297.e7
- Nonemergent coronary angioplasty without on-site surgical backup: a randomized study evaluating outcomes in low-risk patients (Melberg et al). 2006;152:888-95
- The prevalence of unrecognized depression in patients with acute coronary syndrome (Amin et al). 2006;152:928-34
- Prospective evaluation of the oxygen uptake efficiency slope as a submaximal predictor of peak oxygen uptake in aged patients with ischemic heart disease (Van Laethem et al). 2006;152:297.e9-297.e15
- Reduced treatment success in lipid management among women with coronary heart disease or risk equivalents: results of a national survey (Ansell et al). 2006;152:976-81
- Response to letter to the editor by Dr. Mackin (Hennekens). 2006;152:e59 (Reply)
- Self-rated health among women with coronary disease: depression is as important as recent cardiovascular events (Ruo et al). 2006;152:921.e1-921.e7
- What information can an invasive cardiologist obtain from brain natriuretic peptide? (Grabowski and Filipiak). 2006;152:e11 (Letter)
- Coronary disease, diagnosis**
- Asymmetric dimethylarginine is an independent risk factor for coronary heart disease: results from the multicenter Coronary Artery Risk Determination investigating the Influence of ADMA Concentration (CARDIAC) study (Schulze et al). 2006;152:493.e1-493.e8
- Circulating endothelial progenitor cells predict coronary artery disease severity (Kunz et al). 2006;152:190-5
- Clinical outcome in patients with intermediate or equivocal left main coronary artery disease after deferral of surgical revascularization on the basis of fractional flow reserve measurements (Lindstaedt et al). 2006;152:156.e1-156.e9
- Lipoprotein-associated phospholipase A₂ independently predicts the angiographic diagnosis of coronary artery disease and coronary death (May et al). 2006;152:997-1003
- Multislice computed tomography to rule out coronary artery disease in pilots with acquired left bundle-branch block and low cardiac risk (Perrier et al) (Letter): (Schuiff and Bax) (Reply). 2006;152:e23, e29
- The *p22pbox* C242T gene polymorphism is associated with a reduced risk of angiographically verified coronary artery disease in a high-risk Finnish Caucasian population. The Finnish Cardiovascular Study (Fan et al). 2006;152:538-42
- Predicting significant coronary artery disease in patients with left ventricular dysfunction (Whellan et al). 2006;152:340-7
- Risk stratification of patients with chronic kidney disease: results of screening strategies incorporating clinical risk scoring and dobutamine stress echocardiography (Rakshit et al). 2006;152:363-70

Coronary disease, diagnosis (continued)

Subclinical coronary atherosclerosis: racial profiling is necessary! (Orakzai et al). 2006;152:819-27 (Curriculum cardiol.)

The value of stress single photon emission computed tomography in patients without known coronary artery disease presenting with dyspnea (Balaravi et al). 2006;152:551-7

Coronary disease, drug therapy

Antihypertensive therapy and regression of coronary artery disease: insights from the Comparison of Amlodipine versus Enalapril to Limit Occurrences of Thrombosis (CAMELOT) and Norvasc for Regression of Manifest Atherosclerotic Lesions by Intravascular Sonographic Evaluation (NORMALISE) trials (Brener et al). 2006;152:1058-62

A double-blind, randomized, placebo-controlled multicenter clinical trial to evaluate the effects of the angiotensin II receptor blocker candesartan cilexetil on intimal hyperplasia after coronary stent implantation (Radke et al). 2006;152:761.e1-761.e6

Evaluation of prasugrel compared with clopidogrel in patients with acute coronary syndromes: design and rationale for the TRIal to assess Improvement in Therapeutic Outcomes by optimizing platelet InhibitionN with prasugrel Thrombolysis In Myocardial Infarction 38 (TRITON-TIMI 38) (Wiviott et al). 2006;152:627-35 (Trial design)

Intravascular ultrasound assessment of novel antiatherosclerotic therapies: rationale and design of the Acyl-CoA: Cholesterol Acyltransferase Intravascular Atherosclerosis Treatment Evaluation (ACTIVATE) Study (Nicholls et al). 2006;152:67-74 (Trial design)

Rationale and design of a randomized, double-blind, placebo-controlled trial of ivabradine in patients with stable coronary artery disease and left ventricular systolic dysfunction: the morbidity-mortality Evaluation of the I₁ inhibitor ivabradine in patients with coronary disease and left ventricular dysfunction (BEAUTIFUL) study (Fox et al). 2006;152:860-6 (Trial design)

Role of probucol in inhibiting intimal hyperplasia after coronary stent implantation: a randomized study (Nunes et al). 2006;152:914.e1-914.e7

Coronary disease, prognosis

Metabolic syndrome, C-reactive protein, and prognosis in patients with established coronary artery disease (Aguilar et al). 2006;152:298-304

Coronary disease, therapy

Clinical evidence for a health benefit from cardiac rehabilitation: an update (Williams et al). 2006;152:835-41 (Curriculum cardiol.)

Comparison of sirolimus-eluting and bare metal stents in coronary bifurcation lesions: subgroup analysis of the Stenting Coronary Arteries in Non-Stress/Benestent Disease Trial (SCANDSTENT) (Thuesen et al). 2006;152:1139-44

Drug-eluting stents in total coronary occlusions: another piece of the puzzle solved? (Dzavik). 2006;152:807-9 (Editorial)

Early invasive treatment benefits patients with renal dysfunction in unstable coronary artery disease (Johnston et al). 2006;152:1051-7

Evidence-based cardiovascular therapies and achievement of therapeutic goals in diabetic patients with coronary heart disease attended in primary care (Mostaza-Prieto et al). 2006;152:1063-9

The impact of emergency department structure and care processes in delivering care for non-ST-segment elevation acute coronary syndromes (Mehta et al). 2006;152:648-660

Predictors of long-term outcome after crush stenting of coronary bifurcation lesions: importance of the bifurcation angle (Dzavik et al). 2006;152:762-9

Coronary disease, therapy (continued)

Single-vessel versus bifurcation stenting for the treatment of distal left main coronary artery disease in the drug-eluting stenting era. Clinical and angiographic insights into the Rapamycin-Eluting Stent Evaluated at Rotterdam Cardiology Hospital (RESEARCH) and Taxus-Stent Evaluated at Rotterdam Cardiology Hospital (T-SEARCH) registries (Valgimigli et al). 2006;152:896-902

Sirolimus versus bare metal stent implantation in patients with total coronary occlusions: subgroup analysis of the Stenting Coronary Arteries in Non-Stress/Benestent Disease (SCANDSTENT) trial (Kelbaek et al). 2006;152:882-6

Underuse of evidence-based treatment partly explains the worse clinical outcome in diabetic patients with acute coronary syndromes (Yan et al). 2006;152:676-83

Coronary occlusion; see Coronary disease

Coronary restenosis; see also Stents

Comparison between drug-eluting stents and beta-radiation for the treatment of diffuse in-stent restenosis: clinical and angiographic outcomes (Zavalloni et al). 2006;152:908.e1-908.e7

The favorable clinical and angiographic outcomes of high-dose dexamethasone-eluting stent: randomized controlled prospective study (Han et al). 2006;152:887.e1-887.e7

Letter to the editor (Chan and Ionescu) (Letter); (Chen and Bhatt) (Reply). 2006;152:e51, e53

Reduced 6-month resource use and costs associated with cilostazol in patients after successful coronary stent implantation: results from the Cilostazol for RESTenosis (CREST) trial (Zhang et al). 2006;152:770-6

Sirolimus versus bare metal stent implantation in patients with total coronary occlusions: subgroup analysis of the Stenting Coronary Arteries in Non-Stress/Benestent Disease (SCANDSTENT) trial (Kelbaek et al). 2006;152:882-6

Coronary stenosis

Skin cholesterol adds to Framingham risk assessment (Sprecher and Pearce). 2006;152:694-6

Coronary vessel anomalies

Anomalous right coronary artery arising from the pulmonary artery: a report of 7 cases and a review of the literature (Williams et al). 2006;152:1004.e9-1004.e17

Coronary vessels

Comparison between stenting and balloon angioplasty in patients undergoing primary angioplasty of small coronary vessels (De Luca et al). 2006;152:915-20

How to assess coronary artery remodeling by intravascular ultrasound (Schartl and Bocksch). 2006;152:414-6 (Editorial)

The impact of cardiovascular risk factors on subclinical left main coronary artery disease: an intravascular ultrasound study (Kim et al). 2006;152:693.e7-693.e12

Is alcohol consumption associated with calcified atherosclerotic plaque in the coronary arteries and aorta? (Ellison et al). 2006;152:177-82

Measurement of the thickness of the fibrous cap by optical coherence tomography (Kume et al). 2006;152:755.e1-755.e4

Regression of coronary artery outward remodeling in patients with non-ST-segment acute coronary syndromes: a longitudinal study using noninvasive magnetic resonance imaging (Fernandes et al). 2006;152:1122-31

Static and serial assessments of coronary arterial remodeling are discordant: an intravascular ultrasound analysis from the Reversal of Atherosclerosis with Aggressive Lipid Lowering (REVERSAL) trial (Sipahi et al). 2006;152:544-50

Corrections

- Circulating endothelial progenitor cells predict coronary artery disease severity (Kunz et al) (2006;152:190-5). 2006;152:776
- Discovery of proteins related to coronary artery disease using industrial-scale proteomics analysis of pooled plasma (Donahue et al) (2006;152:478-85). 2006;152:1021
- Evaluation of a novel anti-ischemic agent in acute coronary syndromes: design and rationale for the Metabolic Efficiency with Ranolazine for Less Ischemia in Non-ST-elevation acute coronary syndromes (MERLIN)-TIMI 36 trial (Morrow et al). 2006;152:399, 400.e1-400.e9
- Intrafamilial variability of noncompaction of the ventricular myocardium (Johnson et al) (2006;151:1012.e7-1012.e14). 2006;152:262
- Prevention of atrial fibrillation in patients with symptomatic chronic heart failure by candesartan in the Candesartan in Heart failure: Assessment of Reduction in Mortality and morbidity (CHARM) program (Ducharme et al) (2006;152:84-92). 2006;152:354

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Cost-benefit analysis

- Myeloperoxidase and C-reactive protein augment the specificity of B-type natriuretic peptide in community screening for systolic heart failure (Ng et al). 2006;152:94-101

Cyclooxygenase 2 inhibitors

- The COX-2 inhibitors—An update (Furberg). 2006;152:197-9 (Editorial)

Cytochrome P-450 enzyme system

- Clopidogrel-statin interaction: a mountain or a mole hill? (Steinhubl and Akers). 2006;152:200-3 (Editorial)
- A pharmacoepidemiology study of the interaction between atorvastatin and clopidogrel after percutaneous coronary intervention (Brophy et al). 2006;152:263-9

Cytokines

- Are elevations of N-terminal probrain natriuretic peptide in endurance athletes after prolonged strenuous exercise due to systemic inflammatory cytokines? (McLachlan). 2006;152:e1 (Letter)
- Brain natriuretic peptide (BNP) and exercise-induced immune reaction: reply to the letter-to-the-editor of MacLachlan and Mossop (MacLachlan) (Letter); (Scharhag and Kindermann) (Reply). 2006;152:e3
- Granulocyte colony stimulating factor in patients with large acute myocardial infarction: results of a pilot dose-escalation randomized trial (Ellis et al). 2006;152:1050.e9-1050.e14

D**Death; see Mortality****Death, sudden, cardiac; see also Mortality**

- Characteristics of ventricular tachyarrhythmias occurring in ischemic versus nonischemic patients implanted with a biventricular cardioverter-defibrillator for primary or secondary prevention of sudden death (Boriani et al). 2006;152:527.e1-527.e11
- Home defibrillation: a feasibility study in myocardial infarction survivors at intermediate risk of sudden death (Sanna et al). 2006;152:685.e1-685.e7
- Implantable defibrillator early after primary percutaneous intervention for ST-elevation myocardial infarction: rationale and design of the Defibrillator After Primary Angioplasty (DAPA) Trial (Ottervanger et al). 2006;152:636-40 (Trial design)

Defibrillator, implantable

- Role of amiodarone or implantable cardioverter/defibrillator in patients with atrial fibrillation and heart failure (Singh et al). 2006;152:974.e7-974.e11

Defibrillators, implantable

- Characteristics of ventricular tachyarrhythmias occurring in ischemic versus nonischemic patients implanted with a biventricular cardioverter-defibrillator for primary or secondary prevention of sudden death (Boriani et al). 2006;152:527.e1-527.e11
- Effect of defibrillation testing on management during implantable cardioverter-defibrillator implantation (Leong-Sit et al). 2006;152:1103-7
- A history of heart failure predicts arrhythmia treatment efficacy: data from the antiarrhythmics versus implantable defibrillators (AVID) study (Brodsky et al). 2006;152:724-30
- Implantable defibrillator early after primary percutaneous intervention for ST-elevation myocardial infarction: rationale and design of the Defibrillator After Primary Angioplasty (DAPA) Trial (Ottervanger et al). 2006;152:636-40 (Trial design)
- Survival in octogenarians receiving implantable defibrillators (Koplan et al). 2006;152:714-19

Delivery of health care

- Racial variations in quality of care and outcomes in an ambulatory heart failure cohort (Deswal et al). 2006;152:348-54
- Socioeconomic status, treatment, and outcomes among elderly patients hospitalized with heart failure: findings from the National Heart Failure Project (Rathore et al). 2006;152:371-8

Depression

- Persistent depressive symptoms lower aspirin adherence after acute coronary syndromes (Rieckmann et al). 2006;152:922-7
- The prevalence of unrecognized depression in patients with acute coronary syndrome (Amin et al). 2006;152:928-34
- Relationship of depression, anxiety, and social isolation to chronic heart failure outpatient mortality (Friedmann et al). 2006;152:940.e1-940.e8
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- National evaluation of adherence to β -blocker therapy for 1 year after acute myocardial infarction in patients with commercial health insurance (Kramer et al). 2006;152:454.e1-454.e8

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- Prediction of medical morbidity and mortality after acute myocardial infarction in patients at increased psychosocial risk in the Enhancing Recovery in Coronary Heart Disease Patients (ENRICH) study (Jaffe et al). 2006;152:126-35
- Predictors of death or myocardial infarction during follow-up after coronary stenting with the sirolimus-eluting stent. Results from the prospective multicenter German Cypher Stent Registry (Zahn et al). 2006;152:1145-51
- Prevalence, predictors, and outcomes of patients with non-ST-segment elevation myocardial infarction and insignificant coronary artery disease: results from the Can Rapid risk stratification of Unstable angina patients Suppress ADverse outcomes with Early implementation of the ACC/AHA Guidelines (CRUSADE) initiative (Patel et al). 2006;152:641-7
- The prevalence of unrecognized depression in patients with acute coronary syndrome (Amin et al). 2006;152:928-34
- Prognostic value of plasma chromogranin A levels in patients with complicated myocardial infarction (Estensen et al). 2006;152:927.e1-927.e6
- Rationale for establishing regional ST-elevation myocardial infarction receiving center (SRC) networks (Rokos et al). 2006;152:661-7
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- Sex and classic risk factors after myocardial infarction: a community study (Gerber et al). 2006;152:461-8
- Thrombospondin-4 1186G>C (A387P) is a sex-dependent risk factor for myocardial infarction: a large replication study with increased sample size from the same population (Cui et al). 2006;152:543.e1-543.e5
- Trends in acute myocardial infarction complicated by cardiogenic shock, 1979-2003, United States (Fang et al). 2006;152:1034-1040
- The use of invasive cardiac procedures after acute myocardial infarction in long-term dialysis patients (Charytan et al). 2006;152:558-64

Myocardial infarction, diagnosis

- Extent of coronary artery disease as a predictor of outcomes in acute myocardial infarction complicated by heart failure, left ventricular dysfunction, or both (Janardhanan et al). 2006;152:183-9
- The impact of the ESC/ACC redefinition of myocardial infarction and new sensitive troponin assays on the frequency of acute myocardial infarction (Kavsak et al). 2006;152:118-25
- Interhospital transfer for early revascularization in patients with ST-elevation myocardial infarction complicated by cardiogenic shock—a report from the SHOULD we revascularize Occluded Coronaries for cardiogenic shock? (SHOCK) trial and registry (Jeger et al). 2006;152:686-92
- Lack of sensitivity of the electrocardiogram for detection of old myocardial infarction: a cardiac magnetic resonance imaging study (Asch et al). 2006;152:742-8
- Potential for improving sensitivity for detection of old myocardial infarction using the Q wave equivalent criteria in the Selvester QRS scoring system (Wagner). 2006;152:611-12 (Editorial)

Myocardial infarction, drug therapy

- Age, outcomes, and treatment effects of fibrinolytic and antithrombotic combinations: findings from Assessment of the Safety and Efficacy of a New Thrombolytic (ASSENT)-3 and ASSENT-3 PLUS (Sinnaeve et al). 2006;152:684.e1-684.e9

Myocardial infarction, drug therapy (continued)

- Association between Thrombolysis In Myocardial Infarction myocardial perfusion grade, biomarkers, and clinical outcomes among patients with moderate- to high-risk acute coronary syndromes: observations from the Randomized Trial to Evaluate the Relative PROTECTION against Post-PCI Microvascular Dysfunction and Post-PCI Ischemia among Antiplatelet and Antithrombotic agents-Thrombolysis In Myocardial Infarction 30 (PROTECT-TIMI 30) (Gibson et al). 2006;152:756-61
- Effect of pexelizumab on mortality in patients with acute myocardial infarction or undergoing coronary artery bypass surgery: a systematic overview (Mahaffey et al). 2006;152:291-6
- Effects of early angiotensin-converting enzyme inhibition in patients with non-ST-elevation acute anterior myocardial infarction (Borghi et al). 2006;152:470-7
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- Evaluation of prasugrel compared with clopidogrel in patients with acute coronary syndromes: design and rationale for the Trial to assess Improvement in Therapeutic Outcomes by optimizing platelet Inhibition with prasugrel Thrombolysis In Myocardial Infarction 38 (TRITON-TIMI 38) (Wiviott et al). 2006;152:627-35 (Trial design)
- Geographic variation in the treatment of acute myocardial infarction in the VALsartan In Acute myocardial INfarcTion (VALIANT) trial (Reed et al). 2006;152:500-8
- Impact of organizational infrastructure on β -blocker and aspirin therapy for acute myocardial infarction (Ellerbeck et al). 2006;152:579-84
- Intracoronary nitroprusside for the prevention of the no-reflow phenomenon after primary percutaneous coronary intervention in acute myocardial infarction. A randomized, double-blind, placebo-controlled clinical trial (Amit et al). 2006;152:887.e9-887.e14
- National evaluation of adherence to β -blocker therapy for 1 year after acute myocardial infarction in patients with commercial health insurance (Kramer et al). 2006;152:454.e1-454.e8
- Patterns of use and potential impact of early β -blocker therapy in non-ST-elevation myocardial infarction with and without heart failure: the Global Registry of Acute Coronary Events (Emery et al). 2006;152:1015-21
- Recombinant P-selectin glycoprotein ligand-immunoglobulin, a P-selectin antagonist, as an adjunct to thrombolysis in acute myocardial infarction. The P-Selectin Antagonist Limiting Myonecrosis (PSALM) trial (Mertens et al). 2006;152:125.e1-125.e8

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- Prognostic value of C-reactive protein and cardiac troponin I in primary percutaneous interventions for ST-elevation myocardial infarction (Ohlmann et al). 2006;152:1160-6
- The prognostic value of the admission and predischARGE electrocardiogram in acute coronary syndromes: the GUSTO-IIb ECG Core Laboratory experience (Goodman et al). 2006;152:277-84
- ST-segment depression in non-ST elevation acute coronary syndromes: quantitative analysis may not provide incremental prognostic value beyond comprehensive risk stratification (Yan et al). 2006;152:270-6

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- Ability of mechanical reperfusion to salvage myocardium in patients with acute myocardial infarction presenting beyond 12 hours after onset of symptoms (Parodi et al). 2006;152:1132-8
- Autologous transplantation of mononuclear bone marrow cells in patients with acute myocardial infarction: the effect of the dose of transplanted cells on myocardial function (Meluzin et al). 2006;152:975.e9-975.e15
- Comparison between stenting and balloon angioplasty in patients undergoing primary angioplasty of small coronary vessels (De Luca et al). 2006;152:915-20
- Early initiation of eptifibatide in the emergency department before primary percutaneous coronary intervention for ST-segment elevation myocardial infarction: results of the Time to Integrilin Therapy in Acute Myocardial Infarction (TTTAN)-TIMI 34 trial (Gibson et al). 2006;152:668-75
- Feasibility and applicability of paramedic-based prehospital fibrinolysis in a large North American center (Welsh et al). 2006;152:1007-14
- Granulocyte colony stimulating factor in patients with large acute myocardial infarction: results of a pilot dose-escalation randomized trial (Ellis et al). 2006;152:1050.e9-1050.e14
- Implantable defibrillator early after primary percutaneous intervention for ST-elevation myocardial infarction: rationale and design of the Defibrillator After Primary Angioplasty (DAPA) Trial (Ottervanger et al). 2006;152:636-40 (Trial design)
- Improved adherence to Swedish national guidelines for acute myocardial infarction: the Quality Improvement in Coronary Care (QUICC) study (Carlhed et al). 2006;152:1174-80
- Intracoronary infusion of autologous mononuclear bone marrow cells or peripheral mononuclear blood cells after primary percutaneous coronary intervention: rationale and design of the HEBE trial—A prospective, multicenter, randomized trial (Hirsch et al). 2006;152:434-41 (Trial design)
- Letter to the editor (Hakeem and Bhatti) (Letter); (Holmes Jr and Gersh) (Reply). 2006;152:e47, e49
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- Reperfusion of acute myocardial infarction in North Carolina emergency departments (RACE): study design (Jollis et al). 2006;152:851-8, 851.e1-851.e11 (Trial design)
- Routine percutaneous coronary intervention in elderly patients with cardiogenic shock complicating acute myocardial infarction (Migliorini et al). 2006;152:903-8

Myocardial ischemia

- Characteristics of ventricular tachyarrhythmias occurring in ischemic versus nonischemic patients implanted with a biventricular cardioverter-defibrillator for primary or secondary prevention of sudden death (Boriani et al). 2006;152:527.e1-527.e11
- The Extensive Lifestyle Management Intervention (ELMI) after cardiac rehabilitation: a 4-year randomized controlled trial (Lear et al). 2006;152:333-9
- Meta-analysis of ischemia-modified albumin to rule out acute coronary syndromes in the emergency department (Peacock et al). 2006;152:253-62
- Sustained effect of autologous bone marrow mononuclear cell injection in patients with refractory angina pectoris and chronic myocardial ischemia: twelve-month follow-up results (Beeres et al). 2006;152:684.e11-684.e16

Myocardial ischemia, drug therapy

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- Outcomes of patients with acute coronary syndromes who are treated with bivalirudin during percutaneous coronary intervention: an analysis from the Randomized Evaluation in PCI Linking Angiomax to Reduced Clinical Events (REPLACE-2) trial (Rajagopal et al). 2006;152:149-54

Myocardial ischemia, therapy

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- Ability of mechanical reperfusion to salvage myocardium in patients with acute myocardial infarction presenting beyond 12 hours after onset of symptoms (Parodi et al). 2006;152:1132-8
- Intracoronary nitroprusside for the prevention of the no-reflow phenomenon after primary percutaneous coronary intervention in acute myocardial infarction. A randomized, double-blind, placebo-controlled clinical trial (Amit et al). 2006;152:887.e9-887.e14
- Reperfusion of acute myocardial infarction in North Carolina emergency departments (RACE): study design (Jollis et al). 2006;152:851-8, 851.e1-851.e11 (Trial design)

Myocardial revascularization

- Early invasive treatment benefits patients with renal dysfunction in unstable coronary artery disease (Johnston et al). 2006;152:1051-7
- Efficacy and safety of enoxaparin compared with unfractionated heparin in high-risk patients with non-ST-segment elevation acute coronary syndrome undergoing percutaneous coronary intervention in the Superior Yield of the New Strategy of Enoxaparin, Revascularization and Glycoprotein IIb/IIIa Inhibitors (SYNERGY) trial (White et al). 2006;152:1041-9
- The impact of age on outcomes after coronary artery bypass surgery versus stent-assisted percutaneous coronary intervention: one-year results from the Stent or Surgery (SoS) trial (Zhang et al). 2006;152:1152-9
- Interhospital transfer for early revascularization in patients with ST-elevation myocardial infarction complicated by cardiogenic shock—a report from the Should we revascularize Occluded Coronaries for cardiogenic shock? (SHOCK) trial and registry (Jeger et al). 2006;152:686-92
- Prognostic value of C-reactive protein and cardiac troponin I in primary percutaneous interventions for ST-elevation myocardial infarction (Ohlmann et al). 2006;152:1160-6
- Routine percutaneous coronary intervention in elderly patients with cardiogenic shock complicating acute myocardial infarction (Migliorini et al). 2006;152:903-8
- Trends in acute myocardial infarction complicated by cardiogenic shock, 1979-2003, United States (Fang et al). 2006;152:1034-1040
- Underuse of evidence-based treatment partly explains the worse clinical outcome in diabetic patients with acute coronary syndromes (Yan et al). 2006;152:676-83
- The use of invasive cardiac procedures after acute myocardial infarction in long-term dialysis patients (Charytan et al). 2006;152:558-64

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N-terminal prohormone brain natriuretic peptide; see Peptide fragments

N-terminal prohormone natriuretic peptide; see Natriuretic peptide, brain; Peptide fragments

NADPH oxidase

The *p22phox* C242T gene polymorphism is associated with a reduced risk of angiographically verified coronary artery disease in a high-risk Finnish Caucasian population. The Finnish Cardiovascular Study (Fan et al). 2006;152:538-42

Natriuretic peptide, brain

Are elevations of N-terminal probrain natriuretic peptide in endurance athletes after prolonged strenuous exercise due to systemic inflammatory cytokines? (McLachlan). 2006;152:e1 (Letter)

B-type natriuretic peptide and N-terminal pro B-type natriuretic peptide are depressed in obesity despite higher left ventricular end diastolic pressures (Taylor et al). 2006;152:1070-5

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Influence of history of heart failure on diagnostic performance and utility of B-type natriuretic peptide testing for acute dyspnea in the emergency department (Chung et al). 2006;152:949-55

Maximum oxygen uptake at peak exercise in elderly patients with coronary artery disease and preserved left ventricular function: the role of inflammation on top of tissue Doppler-derived systolic and diastolic function (Van de Veire et al). 2006;152:297.e1-297.e7

Myeloperoxidase and C-reactive protein augment the specificity of B-type natriuretic peptide in community screening for systolic heart failure (Ng et al). 2006;152:94-101

Serial testing of B-type natriuretic peptide and NTpro-BNP for monitoring therapy of heart failure: the role of biologic variation in the interpretation of results (Wu). 2006;152:828-34 (Curriculum cardiol.)

What information can an invasive cardiologist obtain from brain natriuretic peptide? (Grabowski and Filipiak). 2006;152:e11 (Letter)

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Short and long-term mortality with nesiritide (Arora et al). 2006;152:1083-9

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Intracoronary nitroprusside for the prevention of the no-reflow phenomenon after primary percutaneous coronary intervention in acute myocardial infarction. A randomized, double-blind, placebo-controlled clinical trial (Amit et al). 2006;152:887.e9-887.e14

NT-proBNP; see Natriuretic peptide, brain; Peptide fragments

O

Obesity

B-type natriuretic peptide and N-terminal pro B-type natriuretic peptide are depressed in obesity despite higher left ventricular end diastolic pressures (Taylor et al). 2006;152:1070-5

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The obesity paradox in non-ST-segment elevation acute coronary syndromes: results from the Can Rapid risk stratification of Unstable angina patients Suppress ADverse outcomes with Early implementation of the American College of Cardiology/American Heart Association Guidelines Quality Improvement Initiative (Diercks et al). 2006;152:140-8

Weight loss improves heart rate recovery in overweight and obese men with features of the metabolic syndrome (Brinkworth et al). 2006;152:693.e1-693.e6

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The blood pressure measurement—revisited (Safar and Smulyan). 2006;152:417-9 (Editorial)

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Clinical trial design and patient demographics of the Multinational Etoricoxib and Diclofenac Arthritis Long-term (MEDAL) study program: cardiovascular outcomes with etoricoxib versus diclofenac in patients with osteoarthritis and rheumatoid arthritis (Cannon et al). 2006;152:237-45 (Trial design)

Otorhinolaryngologic surgical procedures

Uvulopalatopharyngoplasty decreases levels of C-reactive protein in patients with obstructive sleep apnea syndrome (Kinoshita et al). 2006;152:692.e1-692.e5

Outcome and process assessment (health care)

Contemporary performance of surgical ventricular restoration procedures: data from the Society of Thoracic Surgeons' National Cardiac Database (Hernandez et al). 2006;152:494-9

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Maximum oxygen uptake at peak exercise in elderly patients with coronary artery disease and preserved left ventricular function: the role of inflammation on top of tissue Doppler-derived systolic and diastolic function (Van de Veire et al). 2006;152:297.e1-297.e7

Prospective evaluation of the oxygen uptake efficiency slope as a submaximal predictor of peak oxygen uptake in aged patients with ischemic heart disease (Van Laethem et al). 2006;152:297.e9-297.e15

P

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Recombinant P-selectin glycoprotein ligand-immunoglobulin, a P-selectin antagonist, as an adjunct to thrombolysis in acute myocardial infarction. The P-Selectin Antagonist Limiting Myonecrosis (PSALM) trial (Mertens et al). 2006;152:125.e1-125.e8

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Patient care

Are registry hospitals different? A comparison of patients admitted to hospitals of a commercial heart failure registry with those from national and community cohorts (Heidenreich and Fonarow). 2006;152:935-9

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Patient compliance

National evaluation of adherence to β -blocker therapy for 1 year after acute myocardial infarction in patients with commercial health insurance (Kramer et al). 2006;152:454.e1-454.e8

Persistence and adherence to cholesterol lowering agents: evidence from Régie de l'Assurance Maladie du Québec data (Lachaine et al). 2006;152:164-9

Persistent depressive symptoms lower aspirin adherence after acute coronary syndromes (Rieckmann et al). 2006;152:922-7

Patient discharge

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Patient selection

The predicament of offering elective percutaneous coronary intervention at sites without on-site cardiac surgery (Singh). 2006;152:810-11 (Editorial)

Patient transfer

Interhospital transfer for early revascularization in patients with ST-elevation myocardial infarction complicated by cardiogenic shock—a report from the SHOULD we revascularize Occluded Coronaries for cardiogenic shock? (SHOCK) trial and registry (Jeger et al). 2006;152:686-92

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B-type natriuretic peptide and N-terminal pro B-type natriuretic peptide are depressed in obesity despite higher left ventricular end diastolic pressures (Taylor et al). 2006;152:1070-5

Population-based detection of systolic and diastolic dysfunction with amino-terminal pro-B-type natriuretic peptide (Abhayaratna et al). 2006;152:941-8

Serial testing of B-type natriuretic peptide and NTpro-BNP for monitoring therapy of heart failure: the role of biologic variation in the interpretation of results (Wu). 2006;152:828-34 (Curriculum cardiol.)

Percutaneous coronary intervention; see Angioplasty; Angioplasty, Myocardial revascularization, Stents; Angioplasty, transluminal, percutaneous coronary; Myocardial revascularization; Stents**Periodicals**

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The effects of perioperative β -blockade: results of the Metoprolol after Vascular Surgery (MaVS) study, a randomized controlled trial (Yang et al). 2006;152:983-90

Failure of β -blockers in the reduction of perioperative events: where did we go wrong? (McCullough). 2006;152:815-18 (Editorial)

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Intracoronary infusion of autologous mononuclear bone marrow cells or peripheral mononuclear blood cells after primary percutaneous coronary intervention: rationale and design of the HEBE trial—A prospective, multicenter, randomized trial (Hirsch et al). 2006;152:434-41 (Trial design)

Peroxidase

Myeloperoxidase and C-reactive protein augment the specificity of B-type natriuretic peptide in community screening for systolic heart failure (Ng et al). 2006;152:94-101

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Lipoprotein-associated phospholipase A₂ independently predicts the angiographic diagnosis of coronary artery disease and coronary death (May et al). 2006;152:997-1003

Physician-patient relations

Evidence-based cardiovascular therapies and achievement of therapeutic goals in diabetic patients with coronary heart disease attended in primary care (Mostaza-Prieto et al). 2006;152:1063-9

Pioglitazone

Pioglitazone increases the numbers and improves the functional capacity of endothelial progenitor cells in patients with diabetes mellitus (Wang et al). 2006;152:1050.e1-1050.e8

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Evaluation of prasugrel compared with clopidogrel in patients with acute coronary syndromes: design and rationale for the TRIAL to assess Improvement in Therapeutic Outcomes by optimizing platelet Inhibition with prasugrel Thrombolysis In Myocardial Infarction 38 (TRITON-TIMI 38) (Wiviott et al). 2006;152:627-35 (Trial design)

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Discovery of proteins related to coronary artery disease using industrial-scale proteomics analysis of pooled plasma (Donahue et al). 2006;152:478-85

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Plasminogen activator inhibitor type 1 gene polymorphisms and haplotypes are associated with plasma plasminogen activator inhibitor type 1 levels but not with myocardial infarction or stroke (Ding et al). 2006;152:1108-14

Platelet aggregation

Estradiol increases platelet aggregation in $PAI^{A1/A1}$ individuals (Boudoulas et al). 2006;152:136-9

Platelet aggregation inhibitors

Association between Thrombolysis In Myocardial Infarction myocardial perfusion grade, biomarkers, and clinical outcomes among patients with moderate- to high-risk acute coronary syndromes: observations from the Randomized Trial to Evaluate the Relative PROTECT against Post-PCI Microvascular Dysfunction and Post-PCI Ischemia among Antiplatelet and Antithrombotic agents-Thrombolysis In Myocardial Infarction 30 (PROTECT-TIMI 30) (Gibson et al). 2006;152:756-61

Benefit of bolus-only platelet glycoprotein IIb/IIIa inhibition during percutaneous coronary intervention: insights from the very early outcomes in the Evaluation of 7E3 for the Prevention of Ischemic Complications (EPIC) trial (Marmur et al). 2006;152:876-81

"Bolus-only" glycoprotein IIb/IIIa inhibitor use for elective percutaneous coronary intervention: maybe less is more? (Fischell). 2006;152:812-14 (Editorial)

Efficacy and safety of enoxaparin compared with unfractionated heparin in high-risk patients with non-ST-segment elevation acute coronary syndrome undergoing percutaneous coronary intervention in the Superior Yield of the New Strategy of Enoxaparin, Revascularization and Glycoprotein IIb/IIIa Inhibitors (SYNERGY) trial (White et al). 2006;152:1041-9

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Prevalence of heparin-induced thrombocytopenia in patients undergoing cardiac catheterization (Foo et al). 2006;152:290.e1-290.e7

Platelet glycoprotein GPIIb-IIIa complex

Provisional glycoprotein IIb/IIIa blockade in a randomized investigation of bivalirudin versus heparin plus planned glycoprotein IIb/IIIa inhibition during percutaneous coronary intervention: predictors and outcome in the Randomized Evaluation in Percutaneous coronary intervention Linking Angiomax to Reduced Clinical Events (REPLACE)-2 trial (Exaire et al). 2006;152:157-63

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The *p22phox* C242T gene polymorphism is associated with a reduced risk of angiographically verified coronary artery disease in a high-risk Finnish Caucasian population. The Finnish Cardiovascular Study (Fan et al). 2006;152:538-42

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Recombinant P-selectin glycoprotein ligand-immunoglobulin, a P-selectin antagonist, as an adjunct to thrombolysis in acute myocardial infarction. The P-Selectin Antagonist Limiting Myonecrosis (PSALM) trial (Mertens et al). 2006;152:125.e1-125.e8

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National evaluation of adherence to β -blocker therapy for 1 year after acute myocardial infarction in patients with commercial health insurance (Kramer et al). 2006;152:454.e1-454.e8

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Evidence-based cardiovascular therapies and achievement of therapeutic goals in diabetic patients with coronary heart disease attended in primary care (Mostaza-Prieto et al). 2006;152:1063-9

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Broken bodies, broken hearts? Limitations of the trauma system as a model for regionalizing care for ST-elevation myocardial infarction in the United States (Nallamothu et al). 2006;152:613-18 (Curriculum cardiol.)

Rationale for establishing regional ST-elevation myocardial infarction receiving center (SRC) networks (Rokos et al). 2006;152:661-7

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A randomized controlled trial of women's early use of a novel undergarment following sternotomy: the Women's Recovery from Sternotomy Trial (WREST) (King et al). 2006;152:1186-92

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Discovery of proteins related to coronary artery disease using industrial-scale proteomics analysis of pooled plasma (Donahue et al). 2006;152:478-85

Proteomics

Discovery of proteins related to coronary artery disease using industrial-scale proteomics analysis of pooled plasma (Donahue et al). 2006;152:478-85

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Prediction of medical morbidity and mortality after acute myocardial infarction in patients at increased psychosocial risk in the Enhancing Recovery in Coronary Heart Disease Patients (ENRICHD) study (Jaffe et al). 2006;152:126-35

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Recurrence of pulmonary vein conduction and atrial fibrillation after pulmonary vein isolation for atrial fibrillation: a randomized trial of the ostial versus the extraostial ablation strategy (Nilsson et al). 2006;152:537.e1-537.e8

Variation in pulmonary vein size during the cardiac cycle: implications for non-electrocardiogram-gated imaging (Hauser et al). 2006;152:974.e1-974.e6

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Quality assurance, health care

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Improved adherence to Swedish national guidelines for acute myocardial infarction: the Quality Improvement in Coronary Care (QUICC) study (Carlhed et al). 2006;152:1174-80

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Influence of age, sex, and atrial fibrillation recurrence on quality of life outcomes in a population of patients with new-onset atrial fibrillation: the Fibrillation Registry Assessing Costs, Therapies, Adverse events and Lifestyle (FRACTAL) study (Reynolds et al). 2006;152:1096-1102

Stent revascularization for the prevention of cardiovascular and renal events among patients with renal artery stenosis and systolic hypertension: rationale and design of the CORAL trial (Cooper et al). 2006;152:59-66 (Trial design)

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Serial radionuclide angiographic assessment of left ventricular ejection fraction and regional wall motion after mitral valve replacement in patients with rheumatic disease (Chowdhury et al). 2006;152:1200-6

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Ability of mechanical reperfusion to salvage myocardium in patients with acute myocardial infarction presenting beyond 12 hours after onset of symptoms (Parodi et al). 2006;152:1132-8

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Single-vessel versus bifurcation stenting for the treatment of distal left main coronary artery disease in the drug-eluting stenting era. Clinical and angiographic insights into the Rapamycin-Eluting Stent Evaluated at Rotterdam Cardiology Hospital (RESEARCH) and Taxus-Stent Evaluated at Rotterdam Cardiology Hospital (T-SEARCH) registries (Valgimigli et al). 2006;152:896-902

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Effect of α_1 -adrenergic receptors in cardiac pathophysiology (Shannon and Chaudhry). 2006;152:842-50

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Stimulating autoantibodies directed against the cardiac β_1 -adrenergic receptor predict increased mortality in idiopathic cardiomyopathy (Störk et al). 2006;152:697-704

Regional medical programs

Broken bodies, broken hearts? Limitations of the trauma system as a model for regionalizing care for ST-elevation myocardial infarction in the United States (Nallamothu et al). 2006;152:613-18 (Curriculum cardiol.)

Rationale for establishing regional ST-elevation myocardial infarction receiving center (SRC) networks (Rokos et al). 2006;152:661-7

Rehabilitation

Clinical evidence for a health benefit from cardiac rehabilitation: an update (Williams et al). 2006;152:835-41 (Curriculum cardiol.)

The Extensive Lifestyle Management Intervention (ELMI) after cardiac rehabilitation: a 4-year randomized controlled trial (Lear et al). 2006;152:333-9

Religion and medicine

Intercessory prayer (Dorn). 2006;152:e25 (Letter)

Renal artery obstruction

Stent revascularization for the prevention of cardiovascular and renal events among patients with renal artery stenosis and systolic hypertension: rationale and design of the CORAL trial (Cooper et al). 2006;152:59-66 (Trial design)

Renin-angiotensin system

Meta-analysis: inhibition of renin-angiotensin system prevents new-onset atrial fibrillation (Anand et al). 2006;152:217-22 (Curriculum cardiol.)

Renin-angiotensin system (continued)

What is the role of angiotensin-receptor blockade in cardiovascular protection? (Cohn). 2006;152:859.e1-859.e8 (Trial design)

Research support

Reflections on early stopping of a clinical trial (Armstrong and Granger). 2006;152:407-9 (Editorial)

Restenosis, coronary; see Coronary restenosis; Stents**Revascularization, myocardial; see Myocardial revascularization****Rheumatic heart disease**

Serial radionuclide angiographic assessment of left ventricular ejection fraction and regional wall motion after mitral valve replacement in patients with rheumatic disease (Chowdhury et al). 2006;152:1200-6

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Clinical trial design and patient demographics of the Multinational Etoricoxib and Diclofenac Arthritis Long-term (MED-AL) study program: cardiovascular outcomes with etoricoxib versus diclofenac in patients with osteoarthritis and rheumatoid arthritis (Cannon et al). 2006;152:237-45 (Trial design)

Quantification of the risk and predictors of hyperkalemia in patients with left ventricular dysfunction: a retrospective analysis of the Studies of Left Ventricular Dysfunction (SOLVD) trials (de Denu et al). 2006;152:705-12

Response to letter to the editor by Dr. Mackin (Hennekens). 2006;152:e59 (Reply)

Risk stratification of patients with chronic kidney disease: results of screening strategies incorporating clinical risk scoring and dobutamine stress echocardiography (Rakhit et al). 2006;152:363-70

Skin cholesterol adds to Framingham risk assessment (Sprecher and Pearce). 2006;152:694-6

ST-segment depression in non-ST elevation acute coronary syndromes: quantitative analysis may not provide incremental prognostic value beyond comprehensive risk stratification (Yan et al). 2006;152:270-6

Risk factors

The Extensive Lifestyle Management Intervention (ELMI) after cardiac rehabilitation: a 4-year randomized controlled trial (Lear et al). 2006;152:333-9

Low voltage on the electrocardiogram is a marker of disease severity and a risk factor for adverse outcomes in patients with heart failure due to systolic dysfunction (Kamath et al). 2006;152:355-61

Persistence of iatrogenic atrial septal defect after pulmonary vein isolation—an underestimated risk? (Hammerstingl et al). 2006;152:362.e1-362.e5

Risk factors for deaths occurring within 30 days and 1 year after hospital discharge for cardiac surgery among pediatric patients (Chang et al). 2006;152:386-93

Rupture

Intravascular ultrasound assessment of fibrous cap remnants after coronary plaque rupture (Jensen et al). 2006;152:327-32

S**Saphenous vein**

Clinical correlates of long-term mortality after percutaneous interventions of saphenous vein grafts (Mehta et al). 2006;152:801-6

Schizophrenia

Response to letter to the editor by Dr. Mackin (Hennekens). 2006;152:e59 (Reply)

Sensitivity and specificity

Lack of sensitivity of the electrocardiogram for detection of old myocardial infarction: a cardiac magnetic resonance imaging study (Asch et al). 2006;152:742-8

Potential for improving sensitivity for detection of old myocardial infarction using the Q wave equivalent criteria in the Selvester QRS scoring system (Wagner). 2006;152:611-12 (Editorial)

Severity of illness index

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Sex factors; see also Women

C-reactive protein and risk of heart failure. The Rotterdam study (Kardys et al). 2006;152:514-20

The effect of patient sex on recurrence of atrial fibrillation following successful direct current cardioversion (Gurevitz et al). 2006;152:155.e9-155.e13

Gender and C-reactive protein: data from the Multiethnic Study of Atherosclerosis (MESA) cohort (Lakoski et al). 2006;152:593-8

Influence of age, sex, and atrial fibrillation recurrence on quality of life outcomes in a population of patients with new-onset atrial fibrillation: the Fibrillation Registry Assessing Costs, Therapies, Adverse events and Lifestyle (FRACTAL) study (Reynolds et al). 2006;152:1096-1102

Prevalence, predictors, and outcomes of patients with non-ST-segment elevation myocardial infarction and insignificant coronary artery disease: results from the Can Rapid risk stratification of Unstable angina patients Suppress ADverse outcomes with Early implementation of the ACC/AHA Guidelines (CRUSADE) initiative (Patel et al). 2006;152:641-7

Reduced treatment success in lipid management among women with coronary heart disease or risk equivalents: results of a national survey (Ansell et al). 2006;152:976-81

Sex and classic risk factors after myocardial infarction: a community study (Gerber et al). 2006;152:461-8

Thrombospondin-4 1186G>C (A387P) is a sex-dependent risk factor for myocardial infarction: a large replication study with increased sample size from the same population (Cui et al). 2006;152:543.e1-543.e5

Shock, cardiogenic

Interhospital transfer for early revascularization in patients with ST-elevation myocardial infarction complicated by cardiogenic shock—a report from the SHOULD we revascularize Occluded Coronaries for cardiogenic shock? (SHOCK) trial and registry (Jeger et al). 2006;152:686-92

A randomized multicenter clinical study to evaluate the safety and efficacy of the TandemHeart percutaneous ventricular assist device versus conventional therapy with intraaortic balloon pumping for treatment of cardiogenic shock (Burkhoff et al). 2006;152:469.e1-469.e8

Routine percutaneous coronary intervention in elderly patients with cardiogenic shock complicating acute myocardial infarction (Migliorini et al). 2006;152:903-8

Trends in acute myocardial infarction complicated by cardiogenic shock, 1979-2003, United States (Fang et al). 2006;152:1034-1040

Sirolimus

Angioscopic evaluation of neointima coverage: sirolimus drug-eluting stent versus bare metal stent (Oyabu et al). 2006;152:1167-73

Comparison of sirolimus-eluting and bare metal stents in coronary bifurcation lesions: subgroup analysis of the Stenting Coronary Arteries in Non-Stress/Benestent Disease Trial (SCANDSTENT) (Thuesen et al). 2006;152:1139-44

Sirolimus (continued)

Predictors of death or myocardial infarction during follow-up after coronary stenting with the sirolimus-eluting stent. Results from the prospective multicenter German Cypher Stent Registry (Zahn et al). 2006;152:1145-51

Sirolimus versus bare metal stent implantation in patients with total coronary occlusions: subgroup analysis of the Stenting Coronary Arteries in Non-Stress/Benestent Disease (SCANDSTENT) trial (Kelbæk et al). 2006;152:882-6

Skin

Skin cholesterol adds to Framingham risk assessment (Sprecher and Pearce). 2006;152:694-6

Sleep apnea, obstructive

Uvulopalatopharyngoplasty decreases levels of C-reactive protein in patients with obstructive sleep apnea syndrome (Kinoshita et al). 2006;152:692.e1-692.e5

Social class

Ethnic differences in heart rate variability: does ultralow-frequency heart rate variability really measure autonomic tone? (Thayer et al). 2006;152:e27 (Letter)

Socioeconomic status, treatment, and outcomes among elderly patients hospitalized with heart failure: findings from the National Heart Failure Project (Rathore et al). 2006;152:371-8

Social isolation

Relationship of depression, anxiety, and social isolation to chronic heart failure outpatient mortality (Friedmann et al). 2006;152:940.e1-940.e8

SPECT; see Tomography, emission-computed, single-photon Statins; see Hydroxymethylglutaryl-CoA reductase inhibitors Stem cells

Circulating endothelial progenitor cells predict coronary artery disease severity (Kunz et al). 2006;152:190-5

Granulocyte colony stimulating factor in patients with large acute myocardial infarction: results of a pilot dose-escalation randomized trial (Ellis et al). 2006;152:1050.e9-1050.e14

Pioglitazone increases the numbers and improves the functional capacity of endothelial progenitor cells in patients with diabetes mellitus (Wang et al). 2006;152:1050.e1-1050.e8

Stents

Angioscopic evaluation of neointima coverage: sirolimus drug-eluting stent versus bare metal stent (Oyabu et al). 2006;152:1167-73

Comparison between drug-eluting stents and beta-radiation for the treatment of diffuse in-stent restenosis: clinical and angiographic outcomes (Zavalloni et al). 2006;152:908.e1-908.e7

Comparison between stenting and balloon angioplasty in patients undergoing primary angioplasty of small coronary vessels (De Luca et al). 2006;152:915-20

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Stents (continued)

- Elective versus provisional intraaortic balloon pumping in unprotected left main stenting (Briguori et al). 2006;152:565-72
- The favorable clinical and angiographic outcomes of high-dose dexamethasone-eluting stent: randomized controlled prospective study (Han et al). 2006;152:887.e1-887.e7
- The impact of age on outcomes after coronary artery bypass surgery versus stent-assisted percutaneous coronary intervention: one-year results from the Stent or Surgery (SoS) trial (Zhang et al). 2006;152:1152-9
- Letter to the editor (Chan and Ionescu) (Letter); (Chen and Bhatt) (Reply). 2006;152:e51, e53; Hakeem and Bhatti) (Letter); (Holmes Jr and Gersh) (Reply). 2006;152:e47, e49
- Patterns and outcomes of drug-eluting coronary stent use in clinical practice (Rao et al). 2006;152:321-6
- A pharmacoepidemiology study of the interaction between atorvastatin and clopidogrel after percutaneous coronary intervention (Brophy et al). 2006;152:263-9
- Predictors of death or myocardial infarction during follow-up after coronary stenting with the sirolimus-eluting stent. Results from the prospective multicenter German Cypher Stent Registry (Zahn et al). 2006;152:1145-51
- Predictors of long-term outcome after crush stenting of coronary bifurcation lesions: importance of the bifurcation angle (Dzavik et al). 2006;152:762-9
- Reduced 6-month resource use and costs associated with cilostazol in patients after successful coronary stent implantation: results from the Cilostazol for RESTenosis (CREST) trial (Zhang et al). 2006;152:770-6
- Role of probucol in inhibiting intimal hyperplasia after coronary stent implantation: a randomized study (Nunes et al). 2006;152:914.e1-914.e7
- Single-vessel versus bifurcation stenting for the treatment of distal left main coronary artery disease in the drug-eluting stenting era. Clinical and angiographic insights into the Rapamycin-Eluting Stent Evaluated at Rotterdam Cardiology Hospital (RESEARCH) and Taxus-Stent Evaluated at Rotterdam Cardiology Hospital (T-SEARCH) registries (Valgimigli et al). 2006;152:896-902
- Sirolimus versus bare metal stent implantation in patients with total coronary occlusions: subgroup analysis of the Stenting Coronary Arteries in Non-Stress/Benestent Disease (SCAND-STENT) trial (Kelbaek et al). 2006;152:882-6
- Stent revascularization for the prevention of cardiovascular and renal events among patients with renal artery stenosis and systolic hypertension: rationale and design of the CORAL trial (Cooper et al). 2006;152:59-66 (Trial design)

Sternum

- A randomized controlled trial of women's early use of a novel undergarment following sternotomy: the Women's Recovery from Sternotomy Trial (WREST) (King et al). 2006;152:1186-92

Stethoscopes

- Effect of teaching and type of stethoscope on cardiac auscultatory performance (Iversen et al). 2006;152:85.e1-85.e7

Stress echocardiography; see Echocardiography, stress**Stress test; see Echocardiography, stress; Exercise test****Stroke; see Cerebrovascular accident****Stroke volume**

- Force- and relaxation-frequency relations in patients with diastolic heart failure (Yamanaka et al). 2006;152:966.e1-966.e7
- A history of heart failure predicts arrhythmia treatment efficacy: data from the antiarrhythmics versus implantable defibrillators (AVID) study (Brodsky et al). 2006;152:724-30

Stroke volume (continued)

- Prognostic value of C-reactive protein and cardiac troponin I in primary percutaneous interventions for ST-elevation myocardial infarction (Ohlmann et al). 2006;152:1160-6
- Serial radionuclide angiographic assessment of left ventricular ejection fraction and regional wall motion after mitral valve replacement in patients with rheumatic disease (Chowdhury et al). 2006;152:1200-6
- Survival in octogenarians receiving implantable defibrillators (Koplan et al). 2006;152:714-19

Sudden cardiac death; see Death, sudden, cardiac**Sulfones**

- Clinical trial design and patient demographics of the Multinational Etoricoxib and Diclofenac Arthritis Long-term (MEDAL) study program: cardiovascular outcomes with etoricoxib versus diclofenac in patients with osteoarthritis and rheumatoid arthritis (Cannon et al). 2006;152:237-45 (Trial design)

Sulfonylurea compounds

- ATC and mortality: an unexpected relationship in patients with advanced heart failure (Tayek). 2006;152:e5 (Letter)
- Reply (Tayek) (Letter); (Eshaghian) (Reply). 2006;152:e7

Surgical procedures, elective

- Elective versus provisional intraaortic balloon pumping in unprotected left main stenting (Briguori et al). 2006;152:565-72
- Rationale, design, and organization of the PeriOperative Ischemic Evaluation (POISE) trial: a randomized controlled trial of metoprolol versus placebo in patients undergoing noncardiac surgery (Devereaux et al). 2006;152:223-30 (Trial design)

Surgical procedures, operative

- A randomized controlled trial of women's early use of a novel undergarment following sternotomy: the Women's Recovery from Sternotomy Trial (WREST) (King et al). 2006;152:1186-92

T**Tachycardia, ventricular**

- Characteristics of ventricular tachyarrhythmias occurring in ischemic versus nonischemic patients implanted with a biventricular cardioverter-defibrillator for primary or secondary prevention of sudden death (Boriani et al). 2006;152:527.e1-527.e11

Taxus

- Single-vessel versus bifurcation stenting for the treatment of distal left main coronary artery disease in the drug-eluting stenting era. Clinical and angiographic insights into the Rapamycin-Eluting Stent Evaluated at Rotterdam Cardiology Hospital (RESEARCH) and Taxus-Stent Evaluated at Rotterdam Cardiology Hospital (T-SEARCH) registries (Valgimigli et al). 2006;152:896-902

Teaching

- Effect of teaching and type of stethoscope on cardiac auscultatory performance (Iversen et al). 2006;152:85.e1-85.e7

Technetium

- Left bundle-branch block artifact on single photon emission computed tomography with technetium Tc 99m (Tc-99m) agents: mechanisms and a method to decrease false-positive interpretations (Higgins et al). 2006;152:619-26 (Curriculum cardiol.)

Tenecteplase

- Age, outcomes, and treatment effects of fibrinolytic and antithrombotic combinations: findings from Assessment of the Safety and Efficacy of a New Thrombolytic (ASSENT)-3 and ASSENT-3 PLUS (Sinnaeve et al). 2006;152:684.e1-684.e9

Thiopenes

Evaluation of prasugrel compared with clopidogrel in patients with acute coronary syndromes: design and rationale for the TRIal to assess Improvement in Therapeutic Outcomes by optimizing platelet Inhibition with prasugrel Thrombolysis In Myocardial Infarction 38 (TRITON-TIMI 38) (Wiviott et al). 2006;152:627-35 (Trial design)

Thrombocytopenia

Heparin-induced thrombocytopenia and cardiovascular diseases (Das et al). 2006;152:19-26 (Curriculum cardiol.)
Prevalence of heparin-induced thrombocytopenia in patients undergoing cardiac catheterization (Foo et al). 2006;152:290.e1-290.e7

Thromboembolism

Clinical, imaging, and pathological characteristics of left ventricular thrombus: a comparison of contrast-enhanced magnetic resonance imaging, transthoracic echocardiography, and transesophageal echocardiography with surgical or pathological evaluation (Srichai et al). 2006;152:75-84

Thrombolytic therapy

Age, outcomes, and treatment effects of fibrinolytic and antithrombotic combinations: findings from Assessment of the Safety and Efficacy of a New Thrombolytic (ASSENT)-3 and ASSENT-3 PLUS (Sinnaeve et al). 2006;152:684.e1-684.e9
Association between Thrombolysis In Myocardial Infarction myocardial perfusion grade, biomarkers, and clinical outcomes among patients with moderate- to high-risk acute coronary syndromes: observations from the Randomized Trial to Evaluate the Relative PROTECTION against Post-PCI Microvascular Dysfunction and Post-PCI Ischemia among Antiplatelet and Antithrombotic agents-Thrombolysis In Myocardial Infarction 30 (PROTECT-TIMI 30) (Gibson et al). 2006;152:756-61
Evaluation of prasugrel compared with clopidogrel in patients with acute coronary syndromes: design and rationale for the TRIal to assess Improvement in Therapeutic Outcomes by optimizing platelet Inhibition with prasugrel Thrombolysis In Myocardial Infarction 38 (TRITON-TIMI 38) (Wiviott et al). 2006;152:627-35 (Trial design)
Interhospital transfer for early revascularization in patients with ST-elevation myocardial infarction complicated by cardiogenic shock—a report from the SHould we revascularize Occluded Coronaries for cardiogenic shock? (SHOCK) trial and registry (Jeger et al). 2006;152:686-92
Letter to the editor (Hakeem and Bhatti) (Letter); (Holmes Jr and Gersh) (Reply). 2006;152:e47, e49
Recombinant P-selectin glycoprotein ligand-immunoglobulin, a P-selectin antagonist, as an adjunct to thrombolysis in acute myocardial infarction. The P-Selectin Antagonist Limiting Myonecrosis (PSALM) trial (Mertens et al). 2006;152:125.e1-125.e8
Underuse of evidence-based treatment partly explains the worse clinical outcome in diabetic patients with acute coronary syndromes (Yan et al). 2006;152:676-83

Thrombosis

Antihypertensive therapy and regression of coronary artery disease: insights from the Comparison of Amlodipine versus Enalapril to Limit Occurrences of Thrombosis (CAMELOT) and Norvasc for Regression of Manifest Atherosclerotic Lesions by Intravascular Sonographic Evaluation (NORMALISE) trials (Brenner et al). 2006;152:1058-62

Thrombospondin-4; see Thrombospondins

Thrombospondins

Thrombospondin-4 1186G>C (A387P) is a sex-dependent risk factor for myocardial infarction: a large replication study with increased sample size from the same population (Cui et al). 2006;152:543.e1-543.e5

Tissue Doppler imaging; see Echocardiography, Doppler

Tissue inhibitor of metalloproteinase-1

Matrix metalloproteinase-9 and tissue inhibitor of metalloproteinase-1 in congestive heart failure (Tanus-Santos). 2006;152:e9 (Letter)

Tomography, emission-computed, single-photon

Left bundle-branch block artifact on single photon emission computed tomography with technetium Tc 99m (Tc-99m) agents: mechanisms and a method to decrease false-positive interpretations (Higgins et al). 2006;152:619-26 (Curriculum cardiol.)
The value of stress single photon emission computed tomography in patients without known coronary artery disease presenting with dyspnea (Balaravi et al). 2006;152:551-7

Tomography, optical coherence

Measurement of the thickness of the fibrous cap by optical coherence tomography (Kume et al). 2006;152:755.e1-755.e4

Tomography, x-ray computed

Multislice computed tomography to rule out coronary artery disease in pilots with acquired left bundle-branch block and low cardiac risk (Perrier et al) (Letter); (Schuiff and Bax) (Reply). 2006;152:e23, e29

Torsades de pointes

Association of torsades de pointes with novel and known single nucleotide polymorphisms in long QT syndrome genes (Mank-Seymour et al). 2006;152:1115-21

Transplantation, autologous

Autologous transplantation of mononuclear bone marrow cells in patients with acute myocardial infarction: the effect of the dose of transplanted cells on myocardial function (Meluzin et al). 2006;152:975.e9-975.e15
Sustained effect of autologous bone marrow mononuclear cell injection in patients with refractory angina pectoris and chronic myocardial ischemia: twelve-month follow-up results (Beeres et al). 2006;152:684.e11-684.e16

Trauma centers

Broken bodies, broken hearts? Limitations of the trauma system as a model for regionalizing care for ST-elevation myocardial infarction in the United States (Nallamothu et al). 2006;152:613-18 (Curriculum cardiol.)

Tricuspid valve

Echocardiographic insights into atrial and ventricular mechanisms of functional tricuspid regurgitation (Fukuda et al). 2006;152:1207-13

Tricuspid valve insufficiency

Echocardiographic insights into atrial and ventricular mechanisms of functional tricuspid regurgitation (Fukuda et al). 2006;152:1207-13

Troponin

The impact of the ESC/ACC redefinition of myocardial infarction and new sensitive troponin assays on the frequency of acute myocardial infarction (Kavsak et al). 2006;152:118-25
Prognostic value of C-reactive protein and cardiac troponin I in primary percutaneous interventions for ST-elevation myocardial infarction (Ohlmann et al). 2006;152:1160-6

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Ultrasonography

Intravascular ultrasound assessment of novel antiatherosclerotic therapies: rationale and design of the Acyl-CoA: Cholesterol Acyltransferase Intravascular Atherosclerosis Treatment Evaluation (ACTIVATE) Study (Nicholls et al). 2006;152:67-74 (Trial design)

Ultrasonography, interventional

- Antihypertensive therapy and regression of coronary artery disease: insights from the Comparison of Amlodipine versus Enalapril to Limit Occurrences of Thrombosis (CAMELOT) and Norvasc for Regression of Manifest Atherosclerotic Lesions by Intravascular Sonographic Evaluation (NORMALISE) trials (Brener et al). 2006;152:1058-62
- A double-blind, randomized, placebo-controlled multicenter clinical trial to evaluate the effects of the angiotensin II receptor blocker candesartan cilexetil on intimal hyperplasia after coronary stent implantation (Radke et al). 2006;152:761.e1-761.e6
- How to assess coronary artery remodeling by intravascular ultrasound (Scharf and Bocksch). 2006;152:414-6 (Editorial)
- The impact of cardiovascular risk factors on subclinical left main coronary artery disease: an intravascular ultrasound study (Kim et al). 2006;152:693.e7-693.e12
- Intravascular ultrasound assessment of fibrous cap remnants after coronary plaque rupture (Jensen et al). 2006;152:327-32
- Role of probucol in inhibiting intimal hyperplasia after coronary stent implantation: a randomized study (Nunes et al). 2006;152:914.e1-914.e7
- Static and serial assessments of coronary arterial remodeling are discordant: an intravascular ultrasound analysis from the Reversal of Atherosclerosis with Aggressive Lipid Lowering (REVERSAL) trial (Sipahi et al). 2006;152:544-50

V**Valsartan**

- Geographic variation in the treatment of acute myocardial infarction in the VALSartan In Acute myocardial iNfarcTion (VALLANT) trial (Reed et al). 2006;152:500-8
- Rationale and design: the VALSartan In Diastolic Dysfunction (VALIDD) trial: evolving the management of diastolic dysfunction in hypertension (Janardhanan et al). 2006;152:246-52 (Trial design)

Vascular diseases

- Glycemic control and macrovascular disease in types 1 and 2 diabetes mellitus: meta-analysis of randomized trials (Stettler et al). 2006;152:27-38 (Curriculum cardiol.)

Vascular surgical procedures

- The effects of perioperative β -blockade: results of the Metoprolol after Vascular Surgery (MaVS) study, a randomized controlled trial (Yang et al). 2006;152:983-90

Ventricular arrhythmias; see Arrhythmia**Ventricular dysfunction**

- Population-based detection of systolic and diastolic dysfunction with amino-terminal pro-B-type natriuretic peptide (Abhayaratna et al). 2006;152:941-8
- Rationale and design: the VALSartan In Diastolic Dysfunction (VALIDD) trial: evolving the management of diastolic dysfunction in hypertension (Janardhanan et al). 2006;152:246-52 (Trial design)

Ventricular dysfunction, left

- Extent of coronary artery disease as a predictor of outcomes in acute myocardial infarction complicated by heart failure, left ventricular dysfunction, or both (Janardhanan et al). 2006;152:183-9
- Geographic variation in the treatment of acute myocardial infarction in the VALSartan In Acute myocardial iNfarcTion (VALLANT) trial (Reed et al). 2006;152:500-8
- The impact of the *AMPD1* gene polymorphism on exercise capacity, other prognostic parameters, and survival in patients with stable congestive heart failure: a study in 686 consecutive patients (Groote et al). 2006;152:736-41

Ventricular dysfunction, left (continued)

- Low voltage on the electrocardiogram is a marker of disease severity and a risk factor for adverse outcomes in patients with heart failure due to systolic dysfunction (Kamath et al). 2006;152:355-61
- Myeloperoxidase and C-reactive protein augment the specificity of B-type natriuretic peptide in community screening for systolic heart failure (Ng et al). 2006;152:94-101
- Myocardial perfusion in apical ballooning syndrome correlate of myocardial injury (Elesber et al). 2006;152:469.e9-469.e13
- Predicting significant coronary artery disease in patients with left ventricular dysfunction (Whellan et al). 2006;152:340-7
- Quantification of the risk and predictors of hyperkalemia in patients with left ventricular dysfunction: a retrospective analysis of the Studies of Left Ventricular Dysfunction (SOLVD) trials (de Zeeuw et al). 2006;152:705-12
- Rationale and design of a randomized, double-blind, placebo-controlled trial of ivabradine in patients with stable coronary artery disease and left ventricular systolic dysfunction: the morbidity-mortality Evaluation of the I_f inhibitor ivabradine in patients with coronary disease and left ventricular dysfunction (BEAUTIFUL) study (Fox et al). 2006;152:860-6 (Trial design)

Ventricular function

- Comparison of 1-year effects of left ventricular and biventricular pacing in patients with heart failure who have ventricular arrhythmias and left bundle-branch block: the Bi vs Left Ventricular Pacing: an International Pilot Evaluation on Heart Failure Patients with Ventricular Arrhythmias (BELIEVE) multicenter prospective randomized pilot study (Gasparini et al). 2006;152:155.e1-155.e7
- Comparison of left ventricular and biventricular pacing in patients with heart failure (Arya) (Letter); (Gasparini) (Reply). 2006;152:e55, e57
- Echocardiographic insights into atrial and ventricular mechanisms of functional tricuspid regurgitation (Fukuda et al). 2006;152:1207-13
- The effect of altering heart rate on ventricular function in patients with heart failure treated with β -blockers (Thackray et al). 2006;152:713.e9-713.e13
- Prognostic implication of valvular lesion and left ventricular size in asymptomatic patients with chronic organic mitral regurgitation and normal left ventricular performance (Krauss et al). 2006;152:1004.e1-1004.e8
- Serial radionuclide angiographic assessment of left ventricular ejection fraction and regional wall motion after mitral valve replacement in patients with rheumatic disease (Chowdhury et al). 2006;152:1200-6

Ventricular function, left

- Aortic root dysfunctioning and its effect on left ventricular function in Ross procedure patients assessed with magnetic resonance imaging (Grotenhuis et al). 2006;152:975.e1-975.e8
- Force- and relaxation-frequency relations in patients with diastolic heart failure (Yamanaka et al). 2006;152:966.e1-966.e7
- Granulocyte colony stimulating factor in patients with large acute myocardial infarction: results of a pilot dose-escalation randomized trial (Ellis et al). 2006;152:1050.e9-1050.e14
- Hemoglobin concentration is an independent determinant of heart failure in acute coronary syndromes: cohort analysis of 2310 patients (Archbold et al). 2006;152:1090-4
- Immunoadsorption in dilated cardiomyopathy: 6-month results from a randomized study (Staudt et al). 2006;152:712.e1-712.e6

Ventricular function, left (continued)

Intracoronary infusion of autologous mononuclear bone marrow cells or peripheral mononuclear blood cells after primary percutaneous coronary intervention: rationale and design of the HEBE trial—A prospective, multicenter, randomized trial (Hirsch et al). 2006;152:434-41 (Trial design)

Maximum oxygen uptake at peak exercise in elderly patients with coronary artery disease and preserved left ventricular function: the role of inflammation on top of tissue Doppler-derived systolic and diastolic function (Van de Veire et al). 2006;152:297.e1-297.e7

Sustained effect of autologous bone marrow mononuclear cell injection in patients with refractory angina pectoris and chronic myocardial ischemia: twelve-month follow-up results (Beeres et al). 2006;152:684.e11-684.e16

Ventricular remodeling

Antecedent left ventricular mass and infarct size in ST-elevation myocardial infarction (Iakobishvili et al). 2006;152:285-90

Letter to the Editor (Faludi). 2006;152:e13 (Letter)

Response to Letter to the Editor (Faludi) (Letter); (Alter) (Reply). 2006;152:e15

Vitamins

Rationale and design of the Folic Acid for Vascular Outcome Reduction In Transplantation (FAVORIT) trial (Bostom et al). 2006;152:448.e1-448.e7 (Trial design)

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WATCHMAN Left Atrial Appendage

Potential applicability and utilization of left atrial appendage occlusion devices in patients with atrial fibrillation (Fountain et al). 2006;152:720-3

WATCHMAN Left Atrial Appendage System

WATCHMAN: an effective protection against stroke? (Stöllberger et al) (Letter); (Fountain et al) (Reply). 2006;152:e35, e37

Weight loss

Weight loss improves heart rate recovery in overweight and obese men with features of the metabolic syndrome (Brinkworth et al). 2006;152:693.e1-693.e6

Women; see also Sex factors

Allogeneic blood transfusions explain increased mortality in women after coronary artery bypass graft surgery (Rogers et al). 2006;152:1027-33

Conjugated equine estrogens and peripheral arterial disease risk: the Women's Health Initiative (Hsia et al). 2006;152:170-6

Cynical hostility and carotid atherosclerosis in African American and white women: the Study of Women's Health Across the Nation (SWAN) Heart Study (Everson-Rose et al). 2006;152:982.e7-982.e13

Estradiol increases platelet aggregation in $Pr^{A1/A1}$ individuals (Boudoulas et al). 2006;152:136-9

A randomized controlled trial of women's early use of a novel undergarment following sternotomy: the Women's Recovery from Sternotomy Trial (WREST) (King et al). 2006;152:1186-92

Self-rated health among women with coronary disease: depression is as important as recent cardiovascular events (Ruo et al). 2006;152:921.e1-921.e7

Z

Zofenopril; see Captopril